

AMENDMENT TO CLAIMS

The following listing of claims replaces all prior listings of claims in the application:

1. (Original) A power system comprising:
 - a plurality of source inputs that are connectable to a plurality of input sources;
 - an OR circuit coupled to the source inputs and having an output;
 - a standby converter coupled to the OR circuit output that provides a voltage rail responsive to a sufficient source voltage at the OR circuit output;
 - a power control circuit that is coupled to the standby converter and, responsive to a control signal, provides a working voltage; and
 - at least one converter circuit that converts the working voltage to a supply voltage.
2. (Original) The power system of claim 1 wherein the OR circuit is a diode OR circuit.
3. (Original) The power system of claim 1 further including a power switch that couples the working voltage to the at least one converter circuit.
4. (Original) The power system of claim 3 wherein the power switch is a power FET.
5. (Original) The power system of claim 1 wherein the power control circuit is further responsive to command signals to provide the working voltage.
6. (Original) The power system of claim 5 wherein the at least one converter circuit provides at least one of the command signals.
7. (Original) The power system of claim 1 wherein the at least one converter circuit includes a mid-rail converter.
8. (Original) The power system of claim 1 wherein the at least one converter circuit

includes a low-rail converter.

9. (Original) The power system of claim 8 wherein the at least one converter circuit further includes a mid-rail converter.

10. (Original) A power system comprising:

- a plurality of source inputs that are connectable to a like plurality of DC voltage input sources;

- an OR circuit coupled to the source inputs and having an output;

- a standby converter coupled to the OR circuit output that provides a voltage rail responsive to a sufficient source voltage at the OR circuit output;

- a power control circuit that is coupled to the standby converter and, responsive to a control signal, provides a working voltage; and

- a plurality of converter circuits that convert the working voltage to a plurality of different DC supply voltages.

11. (Original) The power system of claim 10 wherein the OR circuit is a diode OR circuit.

12. (Original) The power system of claim 10 further including a power switch that couples the working voltage to the at least one converter circuit.

13. (Original) The power system of claim 12 wherein the power switch is a power FET.

14. (Original) The power system of claim 10 wherein the power control circuit is further responsive to command signals to provide the working voltage.

15. (Original) The power system of claim 14 wherein the plurality of converter circuits provides one of the command signals.

16. (Original) The power system of claim 10 wherein the plurality of converter circuits includes a mid-rail converter.

17. (Original) The power system of claim 10 wherein the plurality of converter circuits includes a low-rail converter.

18. (Original) A power system comprising:

- a plurality of source inputs that are connectable to a like plurality of DC voltage input sources;

- a diode OR circuit coupled to the source inputs and having an output;

- a standby converter coupled to the OR circuit output that provides a voltage rail responsive to a sufficient source voltage at the OR circuit output;

- a power control circuit that is coupled to the standby converter and, responsive to a control signal, provides a working voltage; and

- a plurality of converter circuits that convert the working voltage to a plurality of supply voltages; and

- a power switch that couples the working voltage from the control circuit to the converter circuits.

19. (Original) The power system of claim 18 wherein the power switch is a power FET.

20. (Original) The power system of claim 18 wherein the power control circuit is further responsive to command signals to provide the working voltage.

21. (Original) The power system of claim 20 wherein the plurality of converter circuits provides at least one of the command signals.

22. (Original) The power system of claim 18 wherein the plurality of converter circuits includes a mid-rail converter.

23. (Original) The power system of claim 18 wherein the plurality of converter circuits includes a low-rail converter.

24. (Currently Amended) A method of providing a supply voltage comprising:

simultaneously providing a plurality of source input voltages;

ORing the source input voltages to ~~providing~~provide a source voltage;

monitoring the source voltage;

generating a control signal responsive to the source voltage being above a given level;

~~a~~-responsive to the control signal, providing a working voltage from the source voltage; and

converting the working voltage to a supply voltage.

25. (Currently Amended) The power system of claim 2 wherein the diode OR circuit is a Schottky power diode OR circuit.